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## HABITAT: PIERIS OCCIDENTALIS NELSONI (PIERIDAE)

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Nelson's White. Pieris occidentalis nelsoni W. H. Edwards, is the Alaskan subspecies of the widespread Western White and appears to represent a phenotypic transition to the Palaearctic taxon P. callidice Hübner, whose range has recently been extended to northeastern Siberia (K. Philip, pers. comm.). Like Californian P. o. occidentalis Reakirt and lowland P. protodice Boisduval and LeConte, P. o. nelsoni is preadapted to the highly disturbed habitats created by man (compare Shapiro 1975a,b,c). The photographs offer two views of the east end of the railroad yard complex at Fairbanks, Alaska, where P. o. nelsoni was found commonly in July 1974. The highly disturbed sandy soil supports a large stand of the weed annual Crucifer Lepidium densiflorum Schrad. var. bourgeauanum (Thell.) C. L. Hitchc. on which the butterfly was breeding. Larvae of Euchloe ausonides Lucas were also found here on this plant. Pieris napi L. occurred in the nearby forest and occasionally ventured into the railroad yard, but did not appear to be breeding there. Other butterflies found in the railroad vard were Colias gigantea Strecker, C. philodice Latreille, Lycaena helloides/dorcas complex, Plebeius saepiolus Boisduval, and Limenitis arthemis Drury.

## LITERATURE CITED

- SHAPIRO, A. M. 1975a. Ecological and behavioral aspects of coexistence in six Crucifer-feeding Pierid butterflies in the central Sierra Nevada. *American Midland Naturalist* 93: 424-433.
- ——— 1975b. Habitat: Pieris occidentalis (Pieridae). J. Res. Lepid.



Fig. 1.—Railroad yard at Fairbanks, Alaska, looking east. Virtually the entire area from the trees at left to the road is a solid stand of *Lepidium densiflorum*.



Fig. 2.—Same area, looking south. In broken cloudiness *P. occidentalis nelsoni* thermoregulatory behavior was readily observed on bare soil among Lepidiums, foreground.